

**AMENDMENTS TO THE CLAIMS:**

*Please amend the claims as follows:*

1. (Cancelled)

2. (Currently amended) An ~~The~~ optical pickup of Claim 1 comprising:  
a base;  
a movable part having, an objective lens, a laser diode, and photodetectors; and  
a heat dissipating medium provided in a gap between the laser diode and the base,  
wherein the device further comprises a first yoke provided on the base, and  
wherein the heat dissipating medium is provided in a gap between the first yoke and the  
laser diode.

3. (Currently amended) An ~~The~~ optical pickup of Claim 1 comprising:  
a base;  
a movable part having, an objective lens, a laser diode, and photodetectors; and  
a heat dissipating medium provided in a gap between the laser diode and the base,  
wherein the heat dissipating medium is a fluid, and  
wherein a region having a different wettability to the heat dissipating medium is formed  
in a portion of the laser diode which faces the base.

4. (Currently amended) The optical pickup of Claim [1] 2, wherein the heat dissipating  
medium is deformed in accordance with the motion of the movable part.

5. (Currently amended) The optical pickup of Claim [1] 2, wherein the heat dissipating  
medium is a ferrofluid.

6. (Original) The optical pickup of Claim 5, wherein the heat dissipating medium is supported by magnetic field.

7. (Currently amended) The optical pickup of Claim [[1]] 2, wherein the heat dissipating medium is viscous.

8. (Currently amended) An The optical pickup of Claim 1 comprising:  
a base;  
a movable part having, an objective lens, a laser diode, and photodetectors; and  
a heat dissipating medium provided in a gap between the laser diode and the base,  
wherein the device further comprises second yokes provided on both sides of the  
movable part,  
wherein the second yokes with magnets are connected to the base,  
wherein coils are mounted on the movable part, and  
wherein the heat dissipating medium is also provided between the magnets and the coils.